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Transmitter of acoustic pulses in water - forms bell structure with pulse operated dynamic motor acting on diaphragm

Patent Assignee: VOLGA GEOL FUEL (VOLG-R)

Patent Family (1 patents, 1 & countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
SU 514257	A	19760621	SU 2048962	A	19740724	197710	B

Alerting Abstract SU A

Transmitter of acoustic pulses in water for oceanographic research generates a succession of shock waves by the action of inductive linear motor with armature connected to the diaphragm of submerged bell. To provide quick return action of armature the bell is divided into two chambers interconnected by air valves and bleeder.

The bell is provided with diaphragm (15) with rigid centre disc (4) attached to the armature of linear motor which consists of stator (7) with corroidal windings (8) and armature with copper rings (9). Windings (8) are connected by cable to source of discharge pulses which draw the armature and diaphragm inwards and form cavitation.

Title Terms /Index Terms/Additional Words: TRANSMIT; ACOUSTIC; PULSE; WATER; FORM; BELL ; STRUCTURE; OPERATE; DYNAMIC; MOTOR; ACT; DIAPHRAGM

Class Codes

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
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